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(71)Applicant : TANAKA KIKINZOKU KOGYO KK

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(72)Inventor : TAKIGUCHI FUJIMATSU

(54) ELECTRICAL CONTACT MATERIAL FOR SEALING

(57)Abstract:

PURPOSE: To inexpensively obtain an electrical contact material for sealing with superior melt-sticking resistance, superior hardly dissipative property and low contact resistance characteristic by mixing copper with nickel oxide in a specified ratio.

CONSTITUTION: A mixture consisting of 5W25wt% nickel oxide and the balance copper is compressed to form a green compact, and the compact is sintered at about 850° C in a vacuum and repeatedly subjected to working and heat treatment to manufacture an electrical contact material. To the copper-nickel oxide may be added a small amount of iron, cobalt, chromium, manganese, titanium or oxide thereof.

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